



MI-CW2407

# Michigan Crop Weather

June 18, 2007

## Hot and Sunny Days

Seven days were suitable for fieldwork during the week ending June 17, according to the USDA, NASS, Michigan Field Office. Precipitation varied from none in the west central, central, and southeast Lower Peninsula to 0.36 inches in the western Upper Peninsula. Average temperatures ranged from 5 degrees above normal in the south central and southeast Lower Peninsula to 10 degrees above normal in the Upper Peninsula. The week was hotter than normal, and gave farmers across the State an excellent opportunity to advance planting, fieldwork, and make hay. A farmer in the east central mentioned that, "The dry weather has been great for the hay business, but rain will be needed to bring on the second cutting." Another farmer in the southwest said that, "The hot and dry days are beginning to have a marked effect on crop conditions. This is the earliest I have ever seen corn curling from the heat."

## Field Crops

Warm weather hastened crop progress, and dry conditions allowed farmers to catch up on field activities across the State. **Corn** growth continued to advance in the warm weather and development varied by soil conditions. Leaf rolling was evident in many fields. Reports of purple corn have increased. **Soybean** growth progressed normally. Soybean aphids and bean leaf beetles continued to require monitoring. **Oats** progressed well. **Alfalfa** harvest moved into high gear, and the first cutting was completed in many areas. Potato leafhoppers continued to be active and require monitoring. **Dry bean** planting continued as early planted fields have emerged. **Sugarbeets** continued to progress well with good stands. **Winter wheat** finished flowering and continued to look good in most areas. Wheat began turning yellow in some areas.

## Fruit

**Apples** ranged from 20 mm in the northwest to 1.25 to 1.50 inches in the southwest. The Red Delicious crop in the Grand Rapids area looked excellent. **Blueberries** had 11 to 14 mm green fruit. **Peaches** were about 1.5 inches in diameter in the south and 1.0 inch in the west central; green peach aphids caused leaf curling in some orchards. **Pears** were .75 to 1.25 inches in diameter across the State. The west central area reported a full crop. Pear psylla were flying. **Plums** ranged from 19 mm in the northwest to 22 mm in diameter in the southeast. **Tart cherries** were 13 to 14 mm in the northwest and were coloring in the southwest, where growers were applying ethephon. Disease incidences have been below normal due to dry conditions. **Sweet cherries** ranged from 14 mm in the northwest to 24 mm in diameter in the southeast, where harvest of some early varieties began. Concord **grapes** were at berry shatter in the southwest, and vinifera bloom ended. The fruit set looked good. In the northwest, Chardonnay had 25 inch shoots. Rapid shoot and leaf development have created dense canopies in many vineyards. **Strawberry** harvest progressed in the southwest and southeast regions. Quantity and quality have been good, but there have been more leaf spot diseases than normal.

## Vegetables

Hot, dry weather persisted this past week. Growers with irrigation systems were watering full speed, even on crops they normally do not irrigate. The **carrot** crop was in good condition, with minor scattered disease and pest problems. **Asparagus** harvest neared completion. **Celery** planting continued. Growers were irrigating regularly and some were irrigating before planting. **Cabbage** harvest began. Diamondback and imported cabbage worm larvae pressure remained low. **Potato** growth continued. Leafhoppers were above the threshold in the southeast. There were no reports of leafhoppers in the southwest. The **sweet corn** crop was in good condition. There were reports of Stewart's bacterial wilt and European corn borers in fields across the State. **Watermelon, cantaloup, pumpkin, yellow squash, zucchini and cucumber** crops responded well to the dry weather. Some early planted cucumbers have 4 to 6 inch fruit. **Tomato, pepper and eggplant** transplanting, staking, and tying continued. Tomatoes were beginning to bloom. In the southeast, some early tomato fruit were 2 plus inches. **Onion** growth improved this week. **Snap beans** were in good condition with minimal wind damage.

Soil moisture for week ending 06/17/07

| Stratum | Very short | Short   | Adequate | Surplus |
|---------|------------|---------|----------|---------|
|         | Percent    | Percent | Percent  | Percent |
| Topsoil | 22         | 46      | 31       | 1       |
| Subsoil | 8          | 41      | 50       | 1       |

Crop condition for week ending 06/17/07

| Crop         | Very poor | Poor    | Fair    | Good    | Excellent |
|--------------|-----------|---------|---------|---------|-----------|
|              | Percent   | Percent | Percent | Percent | Percent   |
| All Hay      | 2         | 6       | 38      | 45      | 9         |
| Barley       | 1         | 1       | 36      | 60      | 2         |
| Corn         | 1         | 4       | 20      | 60      | 15        |
| Oats         | 1         | 2       | 30      | 55      | 12        |
| Pasture      | 2         | 12      | 45      | 36      | 5         |
| Soybeans     | 2         | 4       | 24      | 55      | 15        |
| Winter Wheat | 2         | 5       | 29      | 52      | 12        |

Crop progress for week ending 06/17/07

| Crop                         | This week | Last week | Last year | 5-year average |         |
|------------------------------|-----------|-----------|-----------|----------------|---------|
|                              |           |           |           | Inches         | Inches  |
| Corn, height                 | 15        | NA        | NA        | NA             | NA      |
|                              | Percent   | Percent   | Percent   | Percent        | Percent |
| All hay, first cutting       | 75        | 50        | 73        | 56             |         |
| Asparagus, harvested         | 92        | 75        | 93        | 91             |         |
| Dry beans, planted           | 87        | 34        | 77        | 57             |         |
| Dry beans, emerged           | 29        | NA        | 16        | 18             |         |
| Oats, headed                 | 43        | 26        | 48        | 30             |         |
| Potatoes, emerged            | 82        | 80        | 94        | NA             |         |
| Soybeans, emerged            | 94        | 86        | 89        | 85             |         |
| Strawberries, harvested      | 55        | 36        | 9         | 29             |         |
| Winter wheat, turning yellow | 42        | NA        | 13        | 13             |         |

**Michigan Weather Summary for Week Ending 06/17/07<sup>1</sup>**

| Station              | Temperature |         |                       | Cumulative growing degree days <sup>2</sup> |      |        | Precipitation |                |                 |               |        |      |
|----------------------|-------------|---------|-----------------------|---|------|--------|---------------|----------------|-----------------|---------------|--------|------|
|                      | Maximum     | Minimum | Departure from normal | 2007  | 2006 | Normal | This week     | Last two weeks | Last four weeks | Since April 1 | Normal |      |
|                      |             |         |                       |   |      |        |               |                | Since April 1   | For month     |        |      |
| Ironwood             | 88          | 54      | Western UP            | 711   | 658  | 498    | 0.48          | 1.25           | 2.19            | 5.14          | 7.59   | 3.61 |
| Marquette            | 91          | 50      |                       | 652   | 583  |        | 0.43          | 0.80           | 1.24            | 7.63          |        |      |
| Stephenson           | 88          | 49      |                       | 709   | 695  |        | 0.08          | 2.52           | 3.10            | 5.09          |        |      |
| <b>Western UP</b>    | 91          | 46      |                       | 682   | 619  |        | 0.36          | 1.19           | 2.05            | 4.83          |        |      |
| Cornell              | 87          | 50      | Eastern UP            | 642   | 608  | 374    | 0.27          | 1.70           | 2.20            | 4.09          | 7.07   | 3.26 |
| Sault St Marie       | 90          | 51      |                       | 631   | 560  |        | 0.21          | 1.00           | 1.38            | 5.01          |        |      |
| <b>Eastern UP</b>    | 91          | 50      |                       | 611   | 558  |        | 0.27          | 1.26           | 1.84            | 6.37          |        |      |
| Beulah               | 90          | 55      |                       | 767   | 718  |        | 0.01          | 1.13           | 3.30            | 7.24          |        |      |
| Lake City            | 89          | 47      | Northwest             | 717   | 690  | 586    | 0.01          | 1.52           | 2.85            | 7.87          | 6.89   | 3.03 |
| Old Mission          | 90          | 50      |                       | 717   | 673  |        | 0.00          | 0.51           | 0.84            | 3.26          |        |      |
| Pellston             | 91          | 47      |                       | 729   | 700  |        | 0.00          | 0.59           | 1.39            | 3.72          |        |      |
| <b>Northwest</b>     | 91          | 47      |                       | 714   | 663  |        | 0.01          | 0.88           | 1.85            | 5.25          |        |      |
| Alpena               | 89          | 47      | Northeast             | 724   | 673  | 557    | 0.31          | 0.73           | 2.30            | 7.18          | 6.89   | 2.90 |
| Houghton Lake        | 88          | 44      |                       | 756   | 723  |        | 0.00          | 1.22           | 2.27            | 7.10          |        |      |
| Rogers City          | 89          | 47      |                       | 737   | 652  |        | 0.35          | 1.31           | 2.69            | 7.21          |        |      |
| <b>Northeast</b>     | 91          | 44      |                       | 744   | 701  |        | 0.29          | 1.32           | 2.61            | 7.42          |        |      |
| Fremont              | 94          | 52      | West Central          | 827   | 785  | 664    | 0.01          | 0.24           | 1.04            | 7.23          | 7.49   | 2.94 |
| Hart                 | 90          | 53      |                       | 787   | 701  |        | 0.00          | 0.46           | 0.93            | 5.39          |        |      |
| Muskegon             | 89          | 53      |                       | 827   | 730  |        | 0.00          | 0.23           | 1.16            | 6.54          |        |      |
| <b>West Central</b>  | 94          | 49      |                       | 809   | 745  |        | 0.00          | 0.45           | 1.21            | 6.60          |        |      |
| Alma                 | 92          | 53      | Central               | 894   | 829  | 713    | 0.00          | 0.06           | 1.51            | 7.41          | 7.60   | 3.36 |
| Big Rapids           | 91          | 47      |                       | 839   | 752  |        | 0.00          | 0.11           | 0.52            | 4.72          |        |      |
| <b>Central</b>       | 93          | 47      |                       | 859   | 792  |        | 0.00          | 0.12           | 1.12            | 5.95          |        |      |
| Bad Axe              | 90          | 55      |                       | 771   | 743  |        | 0.00          | 0.80           | 1.44            | 5.96          |        |      |
| Pigeon               | 89          | 52      | East Central          | 760   | 761  | 690    | 0.03          | 0.86           | 2.09            | 6.86          | 6.85   | 3.08 |
| Saginaw              | 91          | 54      |                       | 889   | 786  |        | 0.01          | 0.48           | 1.49            | 6.60          |        |      |
| Standish             | 89          | 49      |                       | 799   | 749  |        | 0.01          | 0.62           | 1.40            | 7.00          |        |      |
| <b>East Central</b>  | 91          | 49      |                       | 778   | 770  |        | 0.01          | 0.51           | 1.59            | 6.56          |        |      |
| Fennville            | 90          | 53      | Southwest             | 841   | 714  | 762    | 0.02          | 0.06           | 1.34            | 6.56          | 8.34   | 3.55 |
| Grand Rapids         | 90          | 56      |                       | 946   | 829  |        | 0.02          | 0.31           | 3.20            | 8.07          |        |      |
| Holland              | 92          | 56      |                       | 944   | 786  |        | 0.00          | 0.31           | 1.14            | 6.47          |        |      |
| South Bend, IN       | 93          | 55      |                       | 1,034                                       | 857  |        | 0.00          | 0.38           | 1.98            | 7.15          |        |      |
| Watervliet           | 91          | 55      | South Central         | 927   | 812  | 765    | 0.02          | 0.17           | 2.18            | 7.04          | 8.02   | 3.57 |
| <b>Southwest</b>     | 93          | 50      |                       | 928   | 798  |        | 0.01          | 0.20           | 2.03            | 7.22          |        |      |
| Belding              | 91          | 48      |                       | 846   | 798  |        | 0.00          | 0.18           | 2.03            | 6.14          |        |      |
| Coldwater            | 90          | 49      |                       | 873   | 808  |        | 0.01          | 0.19           | 2.52            | 7.24          |        |      |
| Lansing              | 90          | 51      | South Central         | 893   | 818  | 765    | 0.00          | 0.11           | 2.14            | 7.28          | 8.02   | 3.57 |
| <b>South Central</b> | 91          | 48      |                       | 876   | 842  |        | 0.01          | 0.15           | 2.56            | 7.49          |        |      |
| Detroit              | 91          | 58      | Southeast             | 967   | 906  | 732    | 0.00          | 0.05           | 1.89            | 6.23          | 7.93   | 3.36 |
| Flint                | 91          | 52      |                       | 882   | 796  |        | 0.00          | 0.50           | 3.07            | 9.32          |        |      |
| Romeo                | 89          | 48      |                       | 828   | 851  |        | 0.00          | 0.70           | 3.60            | 10.12         |        |      |
| Tipton               | 89          | 54      |                       | 894   | 839  |        | 0.00          | 0.03           | 2.07            | 7.87          |        |      |
| Toledo, OH           | 91          | 52      | Southeast             | 980   | 921  | 732    | 0.00          | 0.57           | 2.76            | 9.64          | 7.93   | 3.36 |
| <b>Southeast</b>     | 92          | 48      |                       | 888   | 860  |        | 0.00          | 0.34           | 2.36            | 7.30          |        |      |

<sup>1</sup> Issued by the USDA, NASS, Michigan Field Office in cooperation with the U.S. Department of Commerce, Michigan State University's Cooperative Extension Service, Agricultural Meteorologist, Department of Geography, and Crop Advisory Team ALERTS.

<sup>2</sup> Growing degree days (GDD) is the sum of daily mean temperatures minus 50 per day, 86 maximum and 50 minimum. The GDD is accumulative from April 1.